

## CLAIMS

1. Method of producing a photoelectric transducer, comprising the following steps:

- 5       - providing a spacer (7) with a recess in a rigid material;  
      - mounting the spacer (7) on a board (8) bearing at least an optical sensor (9) in such a way that the optical sensor is located in the recess; and  
      - filling at least part of the recess with an optical glue (11).

10   2. Optical pick up suitable for reading an optical disc, comprising:

- a photoelectric transducer made in accordance with the method of claim 1, and  
      - an optical body (1) with means for transmitting at least one light ray to the optical sensor (9) through the optical glue (11), the spacer (7) being  
15   fastened to the optical body (1).

3. Optical pick up according to Claim 1, characterized in that the wall (14) of the spacer (7) defining the recess is essentially perpendicular to the general plane of the board (8).

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4. Optical pick up according to Claim 2 or 3, characterized in that the surface of the optical glue (11) is plane.

5. Optical pick up according to Claim 4, characterized in that it uses at least two  
25   light rays, and at least two optical sensors (9a and 9b) on the board (8) designed to receive the light rays respectively, the spacing (E3) between the optical sensors being essentially the same as the spacing (F3) between the corresponding light rays (R1 and R2) arriving at the surface of the optical glue (11) and impinging either separately or simultaneously said corresponding  
30   optical sensors.

6. Optical pick up according to one of Claims 2 to 5, characterized in that the spacer (7) and the optical body (1) are produced in the same material.